

WHAT IS CLAIMED IS:

1. A network system that seamlessly integrates wireless communication systems, such network system being characterized in that:

an architecture of the network system includes at least four building blocks including a mobile host, a wireless access network, a common core network, and an external network; the building block of the external network has a correspondent node;

the external network and the common core network are connected together via at least one gateway router;

the building block of the common core network has two functional modules including a resource manager and a mobility manager;

the building block of the wireless access network internally comprises at least one set of base stations or access point interfaces and base stations or access point interfaces and network interfaces;

the base stations or the access point interfaces realize an access mechanism that enable access between the common core network and the base stations or access points; and

the network interface realizes an access mechanism that enables access between the base stations or access points and the mobile host.

2. A seamless integrated network system for wireless communication systems according to Claim 1, characterized in that:

the building block of said common core network has a basic access network;

the basic access network is composed of a network interface of base stations or access points, base stations or access points, and basic access components;

said mobile host is composed of at least a network interface, a network selector, a locator, a basic access component, and a local resource manager; and

the basic access component of the basic access network and the basic access component of the mobile host communicate with each other.

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